

Jeffin Sam Joji

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EDUCATION

Bachelor of Computer Science (Honours) | Brock University | September 2021 - April 2026

SUMMARY

Dedicated 4th year computer science student with proven cybersecurity expertise and leadership experience seeking IT and Cyber Security opportunities.

SKILLS

Cybersecurity & Threat Analysis: Threat Hunting, Incident Response, Risk Assessment, Network Traffic Analysis

Tools & Technologies: Splunk, SQL, Wireshark, Burp Suite, Nmap, Metasploit, Bash Scripting, Docker, PowerShell, Linux (Kali/Ubuntu), Windows & Unix OS basics

Data Analysis & Visualization: Tableau (familiar), Microsoft Excel, Data Preprocessing, Statistical Analysis, Pattern Recognition, Report Generation

Programming & Development: Python, Java, C#, C++, PHP, Ruby, Swift, Bash, HTML/CSS, JavaScript, React, Node.js, Django, TypeScript, RESTful APIs, TensorFlow, Postgres, PyTorch

Soft Skills: Analytical Thinking, Team Collaboration, Communication, Adaptability, Problem-Solving

EXPERIENCE

Software Engineer Intern | Meritrium Corp | August 2025 - Present

- Built a full-stack web application using React (frontend) and Python/Flask (backend).
- Designed and implemented RESTful APIs to integrate external data sources and support real-time features.
- Applied OCR and file handling pipelines to automate document parsing and data extraction.
- Improved usability by designing intuitive user flows and prompts for complex workflows.
- **Tech stack:** JavaScript (React), Python (Flask), HTML, CSS, SQL.

Supervisor | Digital Attractions | March 2025 - Present

- Trained and mentored new hires using onboarding guides and hands-on coaching, improving new hire efficiency by 35% in their first month.
- Implemented structured troubleshooting processes to resolve technical issues, reducing customer wait times by 25%.
- Submitted and tracked inventory tickets, ensuring accurate stock management and preventing service disruptions.

Digital Photo Associate | Digital Attractions | May 2023 - March 2025

- Proficiently captured high-quality digital photos of tourists at popular Niagara Falls attractions, creating memorable visual experiences.
- Utilized advanced photography equipment and editing software to enhance image quality while efficiently managing high-volume tourist photo sessions during peak hours with strong organizational skills and attention to detail.

PROFESSIONAL DEVELOPMENT

Cybersecurity Executive | Brock's Cybersecurity Club | September 2023 - Present

- Assist in hosting cybersecurity workshops, such as Capture the Flags (CTFs), and guest speaker events, including the [Chief Security Officer of Microsoft](#)
- Market events on social media to increase participant numbers while simultaneously analyzing feedback to identify opportunities for enhanced productivity and improved efficiency across multiple areas.

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CERTIFICATIONS

Virtual Security Analyst | PwC | November 2024

- Completed a job simulation involving cybersecurity for PwC Digital Intelligence, gaining experience in understanding and explaining the concept of integrated defense.
- Developed expertise in integrated defense strategies, applying them in real-world scenarios through risk assessments and tailored security recommendations for clients.
- Demonstrated proficiency in cybersecurity terminology, network segmentation, and firewall configuration.

Virtual Security Analyst | ANZ | March 2024

- Performed a social engineering investigation on assigned emails and accounts, analyzed, and investigated packets of network traffic with WireShark.
- Rebuilt the data forensically with a hex viewer, based on file signatures, and generated a report on my findings in accordance with established standards.

Virtual Security Analyst | MasterCard | February 2024

- Played a key role in identifying and reporting security threats, with a specific focus on phishing attacks, during a job simulation as an analyst on Mastercard's Security Awareness Team, contributing to the organization's overall security posture.
- Conducted comprehensive analysis to identify areas within the business that required enhanced security training, leading to the implementation of targeted training courses and procedures for the respective teams.

Google Cybersecurity Professional Certificate | Coursera | July 2024

Jr Penetration Tester | TryHackMe | September 2024

ACADEMIC PROJECTS

AI Newsletter and Social Media Content Generator | January 2025 - April 2025

- Developed a full-stack web application using Django that leverages natural language processing to automate content creation for newsletters and social media platforms.
- Implemented AI-powered content generation based on user preferences and trending topics.
- Integrated customizable templates, engagement analytics, and automated multi-platform scheduling.
- **Technologies:** Jira, Python, Django, SQLite, JavaScript, HTML/CSS, TensorFlow, PyTorch

Neural Network Hyperparameter Tuning using Weka | December 2024

- Explored the effects of hyperparameters (e.g., learning rate, momentum, hidden layers) on the performance of neural networks using Weka's machine learning toolkit.
- Conducted experiments on classification datasets (e.g., Iris, Wine) to optimize model accuracy.
- Analyzed and reported the impact of tuning on generalization and training performance.

Genetic Algorithm Optimization Report | October 2024

- Designed and tested a Genetic Algorithm (GA) to solve a complex optimization problem.
- Developed a Genetic Algorithm in Python to solve the university course scheduling problem and conducted 100 controlled experiments varying crossover methods, mutation/crossover rates, and dataset inputs.
- Automated result logging and analysis to identify optimal GA settings and determine the most effective crossover strategy for minimizing scheduling conflicts.

Multiplayer Game using Socket Programming | March 2025

- Built a networked multiplayer game in Java using sockets and Swing, supporting concurrent terminal and GUI players with real-time synchronization and messaging across client sessions.

Introduction to Cyber-Security | January 2025 - April 2025

- Completed a series of hands-on offensive security assignments using a Kali/Ubuntu Linux environment and Docker-based lab setups and Gained experience with Linux privilege escalation and secure system analysis.
- Demonstrated privilege escalation by exploiting buffer overflows, ARP spoofing with Python in Docker, and XSS attacks in a simulated environment.
- **Technologies:** Ubuntu/Kali Linux, Python, Docker, bash scripting, net-tools, Wireshark, Burp Suite